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Reviewer: Keisha Douglas

Timestamp: [year=2008; month=8; day=6; hr=16; min=59; sec=39; ms=629;]

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Application No: 10590896 Version No: 2.0

Input Set:

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Finished: 2008-07-01 10:51:45.797
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Total Warnings: 4
Total Errors: 0
No. of SeqIDs Defined: 7
Actual SeqID Count: 7

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SEQUENCE LISTING

<110> JURIDICAL FOUNDATION THE CHEMO-SERO-THERAPEUTIC RESEARCH INSTITUTE

<120> A method for the production of *Erysipelothrix rhusiopathiae* surface protective antigen in *Escherichia coli*

<130> 664968

<140> 10590896

<141> 2008-07-01

<150> JP 2004-53882

<151> 2004-02-27

<160> 7

<170> PatentIn version 3.1

<210> 1

<211> 1881

<212> DNA

<213> *Erysipelothrix rhusiopathiae*

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35 40 45
Val Leu Pro Gly Thr Gly Val His Ala Gln Glu Tyr Asn Lys Met Thr
50 55 60
Asp Ala Tyr Ile Glu Lys Leu Val Ser Leu Ile Asn Gln Lys Val Lys
65 70 75 80
Pro Phe Leu Ile Asn Glu Pro Lys Gly Tyr Gln Ser Phe Glu Ala Val
85 90 95
Asn Glu Glu Ile Asn Ser Ile Val Ser Glu Leu Lys Asn Glu Gly Met
100 105 110
Ser Leu Gln Asn Ile His His Met Phe Lys Gln Ser Ile Gln Asn Leu
115 120 125
Ala Thr Arg Ile Gly Tyr Arg Ser Phe Met Gln Asp Ala Met Tyr Leu
130 135 140
Glu Asn Phe Glu Arg Leu Thr Ile Pro Glu Leu Asp Glu Ala Tyr Val
145 150 155 160
Asp Leu Leu Val Asn Tyr Glu Val Lys His Arg Ile Leu Val Lys Tyr
165 170 175
Glu Gly Lys Val Lys Gly Arg Ala Pro Leu Glu Ala Phe Ile Val Pro
180 185 190
Leu Arg Asp Arg Ile Arg Ser Met Asn Glu Ile Ala Ala Glu Val Asn
195 200 205
Tyr Leu Pro Glu Ala His Glu Asp Phe Leu Val Ser Asp Ser Ser Glu
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Tyr Asn Asp Lys Leu Asn Asn Ile Asn Phe Ala Leu Gly Leu Gly Val
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245 250 255
Leu His Pro Leu Tyr Leu Glu Leu Tyr Ala Met Arg Arg Asn Arg Gln
260 265 270
Ile Gln Val Val Arg Asp Val Tyr Pro Asn Leu Glu Arg Ala Asn Ala
275 280 285
Val Val Glu Ser Leu Lys Thr Ile Lys Asp Ile Lys Gln Arg Gly Lys
290 295 300
Lys Leu Gln Glu Leu Leu Glu Ile Tyr Ile Gln Arg Ser Gly Asp Val
305 310 315 320
Arg Lys Pro Asp Val Leu Gln Arg Phe Ile Gly Lys Tyr Gln Ser Val
325 330 335
Val Asp Glu Glu Lys Asn Lys Leu Gln Asp Tyr Leu Glu Ser Asp Ile
340 345 350
Phe Asp Ser Tyr Ser Val Asp Gly Glu Lys Ile Arg Asn Lys Glu Ile
355 360 365
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370 375 380
Ser Ile Ser Glu Ile Lys Thr Ile Arg Ala Asp Leu Glu Ser Leu Val

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<211> 33

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 <223> Oligonucleotide designed for preparation of pointmutated SpaA protein by site directed mutagenesis

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